

FIG. 1A

100 GTCAAGTGTATTACGTGACGAGAGCTGGCGCTCGGCTCAGGACTGGGATTAGCGGCTCTGCTCAACCCGCGGCTTTTACATTAGGAGTGAGTGG
 199 GGGAGAGTCCTAGGATTTCTAGTGAAGAGTACAGCGCTTGGTGGACTTTGGGACCTTCGTGAAGTCTTCTGCTTGGAGCTGAGACTTGCATGCC ATG
 I M
 274 GAA CAC CCC CTC TTT GGC TGC CTG CGC AGC CCC CAC GGC ACA GCG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT
 26 E H P L F G C L R ∇ P H A T A Q G L H P F S Q S S
 349 CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TGC ATA ATC GCG
 51 L A L H G R S D H M \diamond Y P E L S T S S S C I I A
 424 GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAC CAT
 76 G Y P N E E G M F A S Q H H R G H H H H H H H H
 499 CAC CAC CAC CAG CAG CAG CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC
 101 H H H Q Q Q Q H Q A L Q S N W H L P Q H S S P P S
 574 GCG GCC CCG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC
 126 A A R H \square L C L Q P D S G G P P E L G S S P P V L
 649 TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCC GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA
 151 C S N S S L G S S T P T G A A C A P R D Y G R Q
 724 GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA
 176 A L \diamond P A E V E K R \odot G \square K R K \square D \odot S D S Q E G
 799 AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT
 201 N Y K S E V N S K P R K E R \odot A F T K E Q I R E L
 874 GAG GCA GAG TTC GCC CAT CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT
 220 E A E F A H H N Y L T R L R R Y E I A V N L D L \odot

MATCH TO FIG. 1B

MATCH TO FIG. 1A

GAA AGA CAG GTG AAA GTG TGG TTC CAG AAC AGG AGA ATG AAG TGG AAG CGG GTC AAG GGG GGA CAA CAA GGA GCT	949
E R Q V K V N F Q N R R H K N K R V K	251
GCA GCC CGA GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTT CCA TCA GAG CTG TCA GGA ATT GGT GCA	1024
A A R E K E L V N V K K G T L L P S E L S G I G A	276
GCC ACC CTC CAG CAG ACA GGG GAC TCA CTA GCA AAT GAC GAC AGT CGC GAT AGT GAC CAC AGC TCT GAG CAC GCA	1099
A T L Q Q T G D S L A N D D S R D S D H S S E H A	301
CAC TTA TGA TACATACAGAGACCAGCTCGTTCAGGAAAGCACCATTGTGTATGGCAAAATCTCACCCAAACATCGTTTACATGGCAGATGACTGTG	1196
H L STOP	303
GCAGTGTGCTTAATAATAATTAACGCGAGGCATCTCAAGTCGTGTTCTCTCATGATTGATAGAAGGTTTACACTAAGTGGCCTCTTATGGAAGATGCTTCCAC	1296
AGTGAATTTGGAGAAAGTGAACATATCTAAATATACTTGTTCCTTATATGACAGAGAGGAGATGAATGTTTGGCTTTGGCTTGGCAGTGAATAATTAATTTG	1396
CTACCAAGAGCAAACTCGGTAAGACATTTTGGACTCAAGTTGTCTCCAGAGTGAAGATGTTATAGAAATGCTTTGAACATTCAGTTGTACCAGGTCAATGT	1496
GTGTGACACTGGCAGGTATTTGCTTTTGGCTTGGCAGTGAACCTTAACCTGCTATCAAGTTAACCCATGAATAGTTTATCTTGAACAGCCACAGTGGCTG	1596
AAATCACCAGTGGATATAAATGAACGAAATTCGTATATATTACTCCAGTCAATTTTCCCTGCTTCTCACTAATTTTAGCAAAATGCAATTCATATAGC	1696
TGATGAAAAATAGGCTTTCCCGTGGACAAAAGCAGCCAGCTTCTGTATTTTATACATTTTGTGTCAGTCAAGAGACATCAGTATGCTTACTTGTGTT	1796
CAAGTAGAGGAAATGCAGTAGAGTCTGTATAGGACATATCTTGGTACCACAGACAAAACAAATCTTCTGTTGGCATTCACATCAACCTGCTGCAGATACAT	1896
TAGAGACACACACTAGCCCCCTCCAGGCTCCCTCTGTTATCGCTCGAAGACATAGGCTCATAGGCAAGTAGTTACCTTGGCCAAATGAGTCTTGTGTTGG	1996
CAGATGCTGATTTTGTATCTTTAAACTGTGTTAATGGTATGTTGCTGCTTCAAGTGAAGGAAAGATTTCTTCCCTCATTTGTTATGATACAAAACCCA	2096
AGTGGCAACAAAGCTAGTCTTCAAGGGATAGATGAGAACTGAAATGTTCTGACAAAGTAGACTCAGGCAAAATACATTTTTCAGAGGCTGTGTATTC	2196
ATGCAGTACAAAGTCTTGTATTTTGTAAAAAAGTAAATG	2244

FIG. 1B

FIG. 2

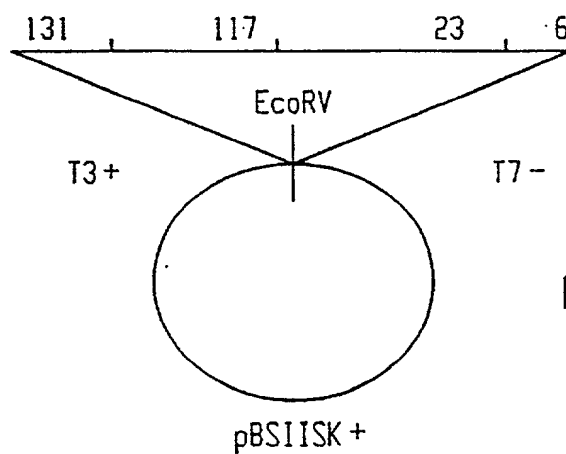
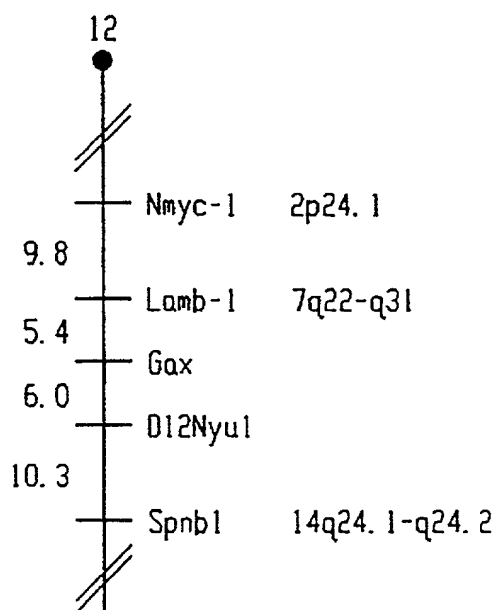
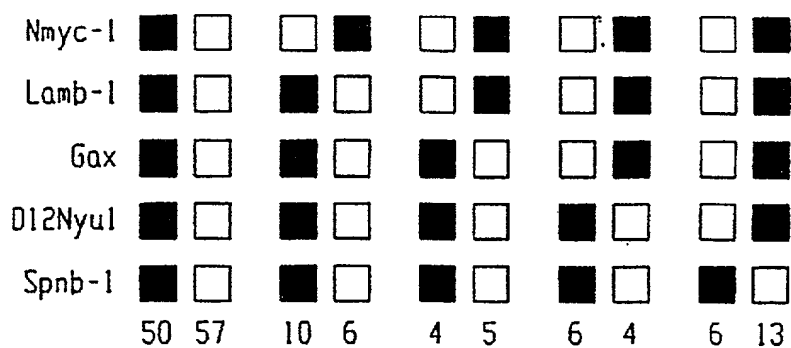


FIG. 4

FIG. 3

83 GTCCTCTACCTGGAAACCGAAACTTGCATGCT ATG GAA CAC CCG CTC TTT GGC TGC CTG CGC AGC CCT CAC GCC ACG GCG CAA
 17 M E H P L F G C L R S P H A T A Q
 158 GGC TTG CAC CCG TTC TCC CAA TCC TCT CTC GCC CTC CAT GGA AGA TCT GAC CAT ATG TCT TAC CCC GAG CTC TCT
 42 G L H P F S Q S S L A L H G R S D H M S Y P E L S
 233 ACT TCT TCC TCA TCT TGC ATA ATC GCG GGA TAC CCC AAC GAA GAG GAC ATG TTT GCC AGC CAG CAT CAC AGG GGG
 67 T S S S C I I A G Y P N E E D M F A S Q H H R G
 300 CAC CAC CAC CAC CAC CAT CAC CAC CAT CAG CAG CAG CAG CAG GCT CTG CAA ACC AAC TGG CAC CTC
 92 H H H H H H H H H H Q Q Q Q Q H Q A L Q T N W H L
 383 CCG CAG ATG TCT TCC CCA CCG AGT GCG GCT CCG CAT AGC CTC TGC CTC CAG CCC GAC TCT GGA GGG CCC CCA GAG
 117 P Q H S S P P S A A R H S L C L Q P D S G G P P E
 450 TTG GGG AGC AGC CCC GTC CTG TGC TCC AAC TCT TCC AGC TTG GGC TCC AGC ACC CCG ACT GGG GCG GCG TGC
 142 L G S S P P V L C S N S S S L G S S T P T G A A C
 533 GCG CCG GGG GAC TAC GGC CCG CAG GCA CTG TCA CCT GCG GAG GCG GAG AAG CCA AGC GGC GGC AAG AAG AAA AGC
 167 A P Q D Y G R Q A L S P A E A E K R S G G K R K S
 600 GAC AGC TCA GAC TCC CAG GAA GGA AAT TAC AAG TCA GAA GTC AAC AGC AAA CCC AGG AAA GAA AGG ACA GCA TTT
 192 D S S D S Q E G N Y K S E V N S K P R K E R T A F
 683 ACC AAA GAG CAA ATC AGA GAA CTT GAA GCA GAA TTT GCC CAT CAT AAT TAT CTC ACC AGA CTG AGG CGA TAC GAG
 217 T K E Q I R E L E A E F A H H N Y L T R L R R Y E
 758 ATA GCA GTG AAT CTG GAT CTC ACT GAA AGA CAG GTA AAA GTC TGG TTC CAA AAC AGG CGG ATG AAG TGG AAG AGG
 242 I A V N L D L T E R Q V K V V F Q N R R H K W K R
 833 GTA AAG GGT GGA CAG CAA GGA GCT GCG GCT CCG GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTC CCA
 267 V K G G Q Q G A A A R E K E L V N V K K G T L L P
 908 TCA GAG CTG TCG GGA ATT GGT GCA GCC ACC CTC CAG CAA ACA GGG GAC TCT ATA GCA AAT GAA GAC AGT CAC GAC
 292 S E L S G I G A A T L Q Q T G D S I A N G D S' R D
 941 AGT GAC CAC AGC TCA GAG CAC GCC CAC CTC TGA
 302 S D H S S E H A H L *

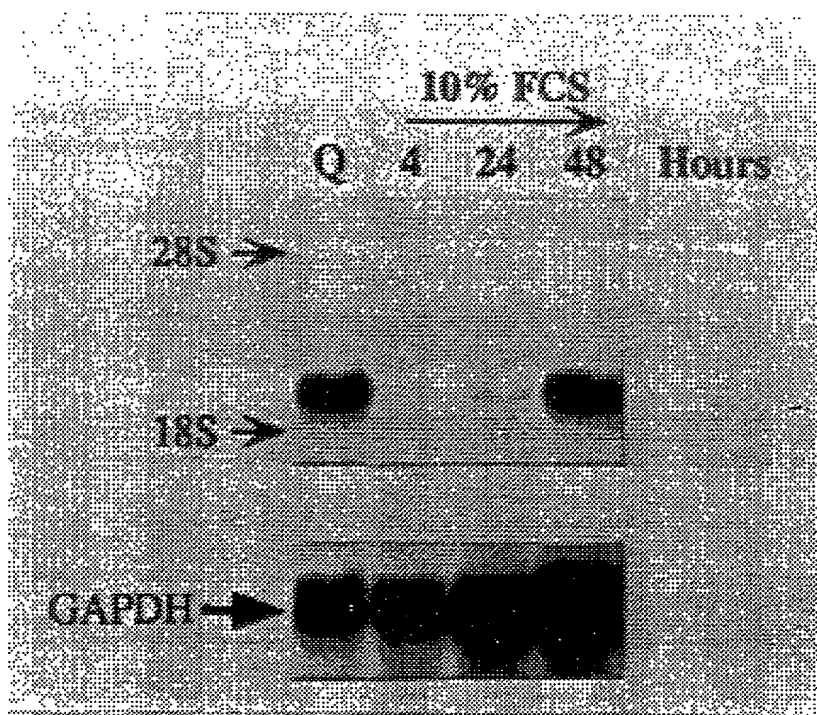


FIG. 5A

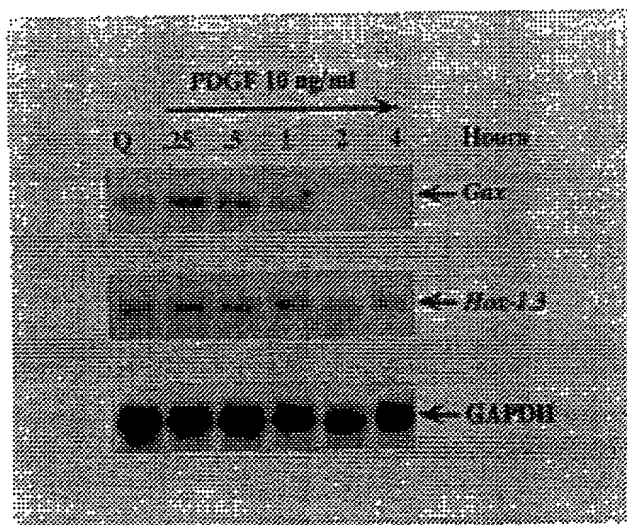


FIG. 5B

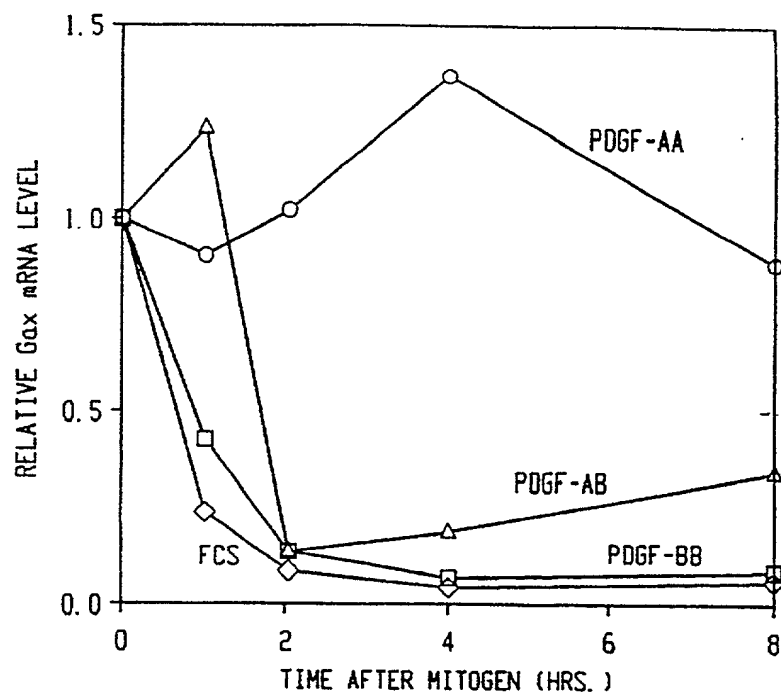


FIG. 6

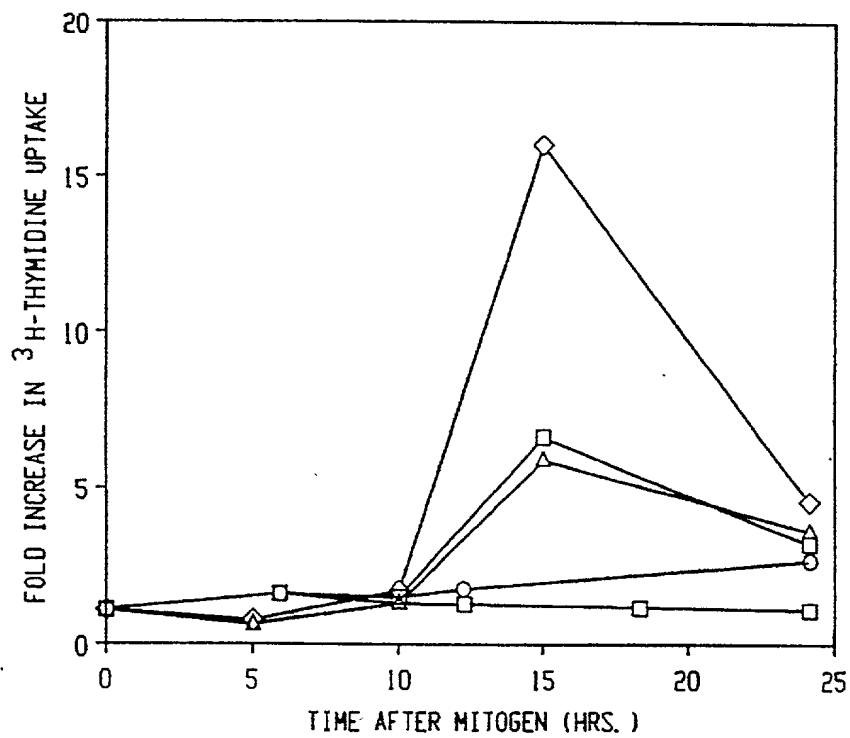


FIG. 7

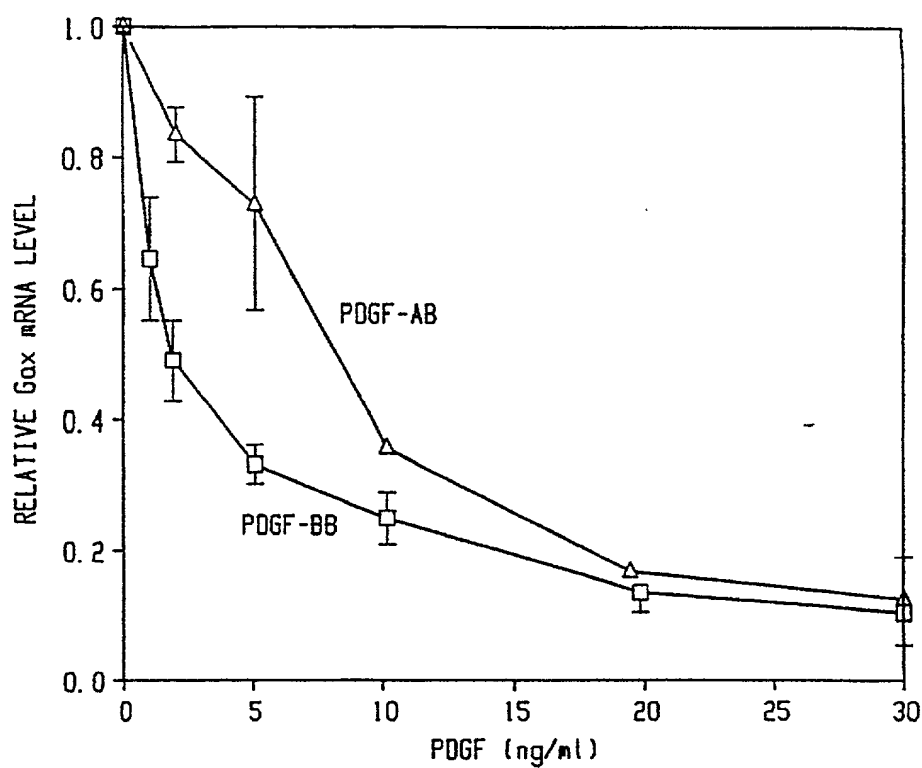
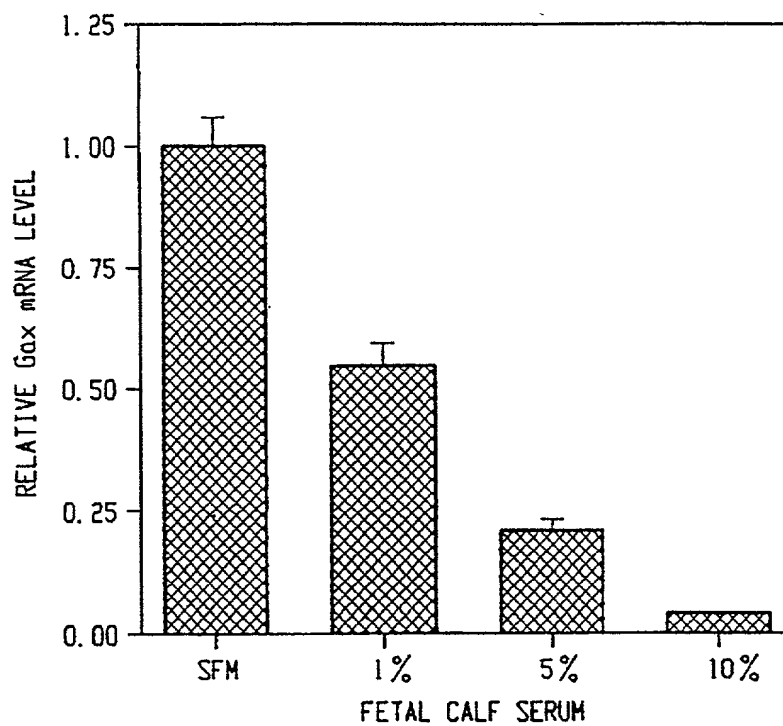


FIG. 8

FIG. 9



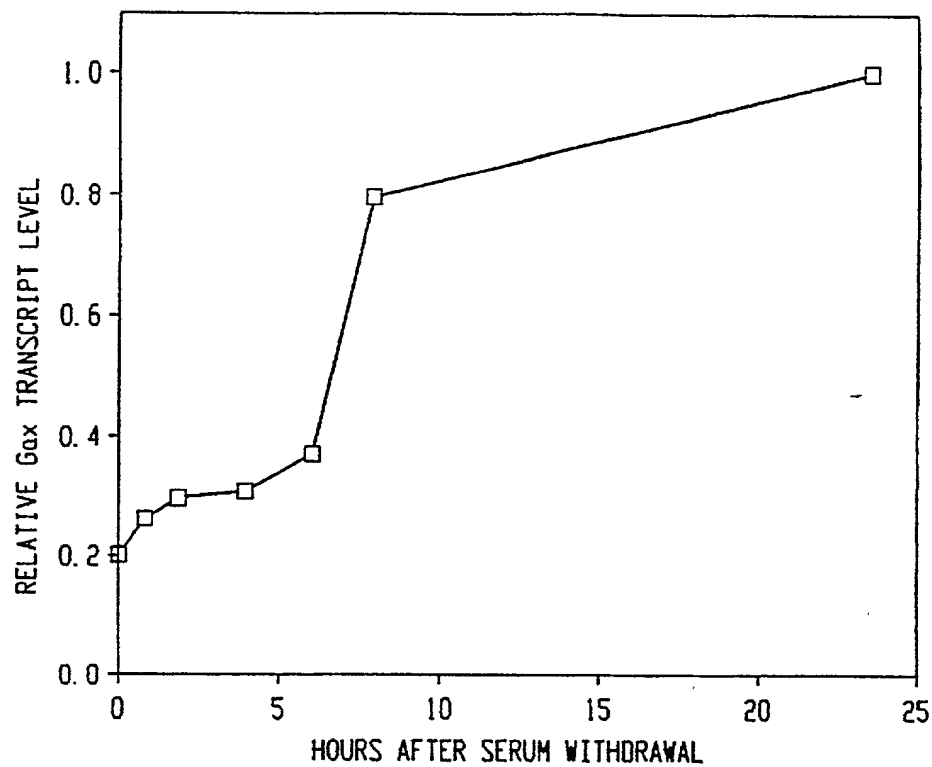


FIG. 10

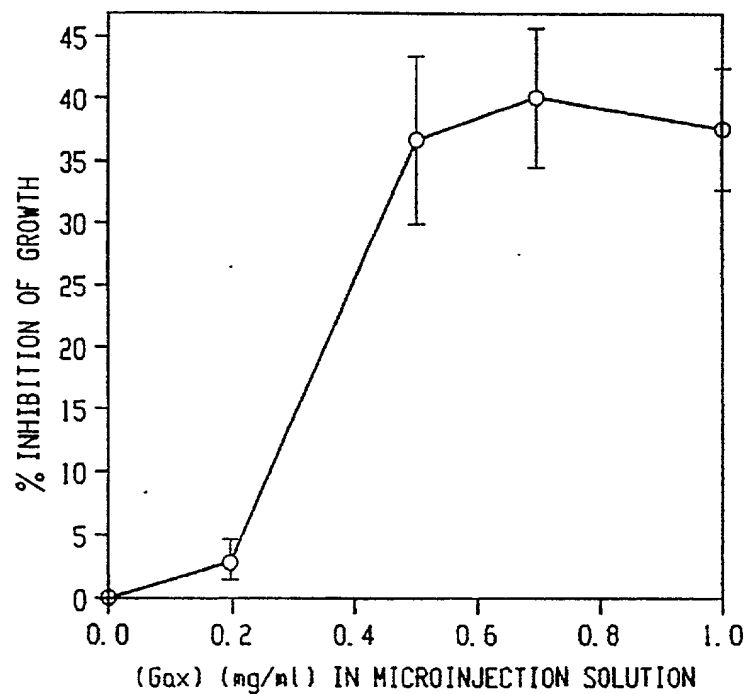


FIG. 11

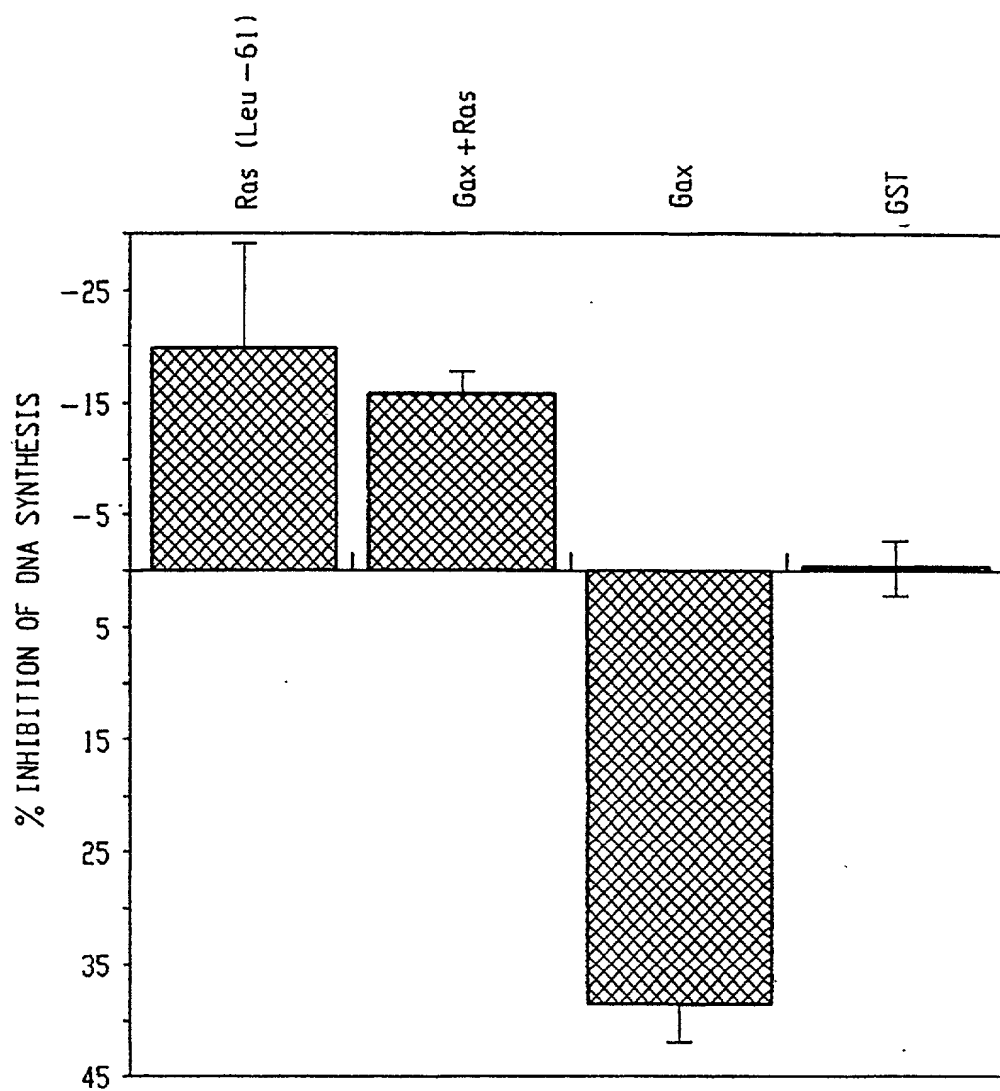


FIG. 12

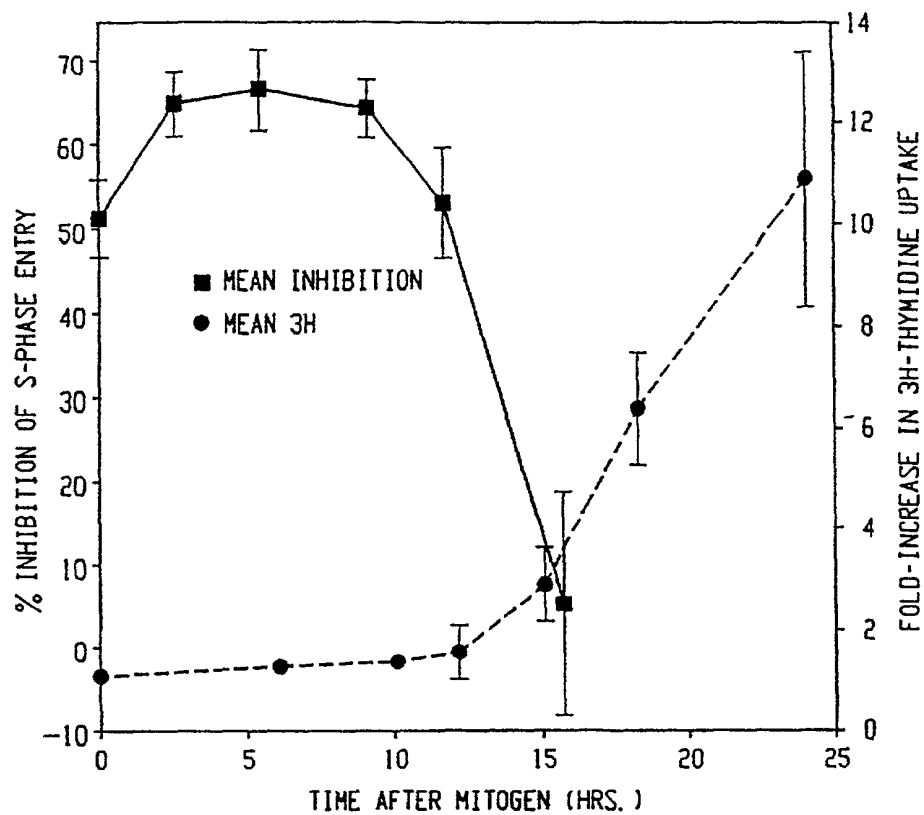


FIG. 13

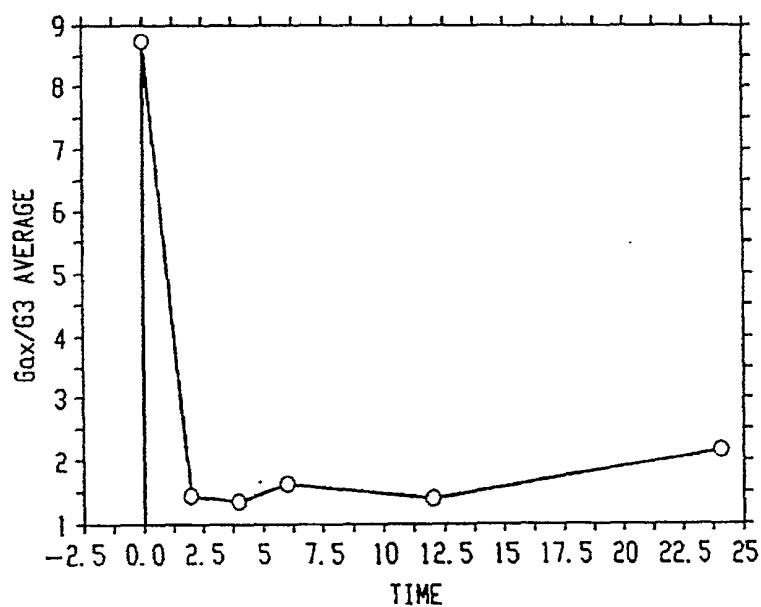


FIG. 14